

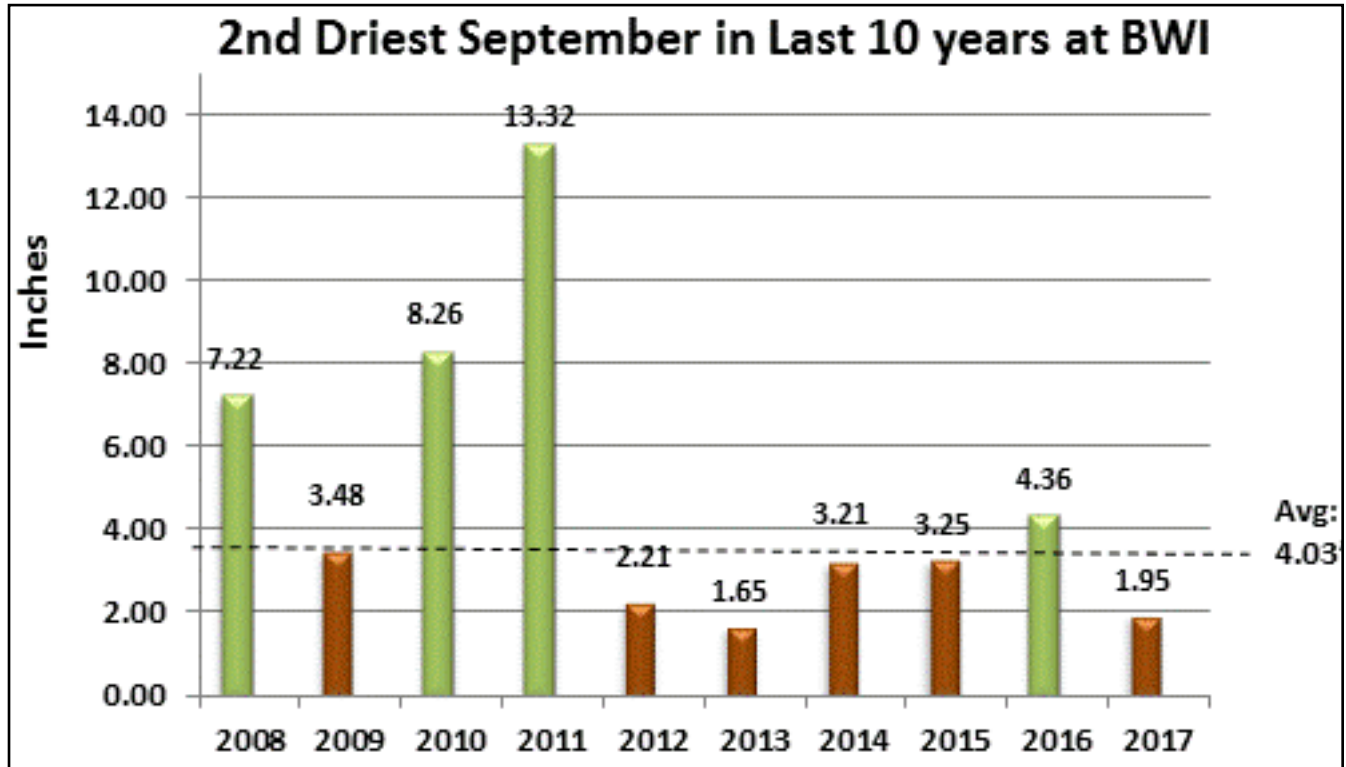


# PRESTO

PRECipitation Summary and Temperature Observations  
For the Washington, DC and Baltimore, MD Area



## SEPTEMBER 2017: Very Dry with Above Normal Temperatures



### September Highlights

- ☁ Slightly above normal temperatures: +1.5°F at DCA, +1.3°F at BWI and +0.6°F at IAD
- ☁ DCA marked 8th consecutive September with above normal temperatures
- ☁ Very chilly start to month with maximum temperatures in 60s on 2 days at BWI and IAD and across entire area on 2<sup>nd</sup>, including record low maximum readings at BWI and IAD
- ☁ Very dry with monthly totals less than 2 inches at the three major airports: DCA, 1.43"; BWI, 1.95"; and IAD: 1.75" Nearly the entire months' rainfall occurred during the first 6 days
- ☁ Remnants from Tropical Depression Harvey resulted in about 0.75" rainfall across much of the area on the 2<sup>nd</sup> with as much as 1.02" in Elkridge (Howard County), MD
- ☁ No measurable rainfall across the majority of the area from the 15<sup>th</sup> through the end of month resulting in the longest September period on record at IAD and 3<sup>rd</sup> longest at DCA

## September 2017

**Temperature:** The first month of meteorological autumn featured slightly above normal temperatures. Positive departures were +1.5°F at DCA, +1.3°F at BWI and +0.6°F at IAD. The month marked the 8<sup>th</sup> consecutive September with above normal temperatures at DCA as well as the 8<sup>th</sup> out of the last 10 years at BWI and IAD.

In contrast to the usual trend for temperatures, there were more days with subnormal temperatures in the beginning of the month with more summerlike heat towards the end of September. On the 2<sup>nd</sup>, maximum readings held in the chilly 60s across the region, including a record low high temperature of 63°F at BWI and 61°F at IAD. On the 6<sup>th</sup>, maximum readings again held in the 60s with BWI and IAD recording 68°F. On the 11<sup>th</sup>, IAD's maximum temperature of 71°F equaled a record for the coolest calendar day high temperature.

The pattern shifted from the 19<sup>th</sup>–27<sup>th</sup> when the area marked late season warmth with maximum readings soaring into the 80s. DCA observed 3 days at or above 90°F including a monthly maximum of 92°F on the 24<sup>th</sup>; BWI recorded 90° on the 27<sup>th</sup>. Minimum readings dropped in to the 40s on 4 days at IAD, including a monthly minimum of 47°F on the 10<sup>th</sup> and on 2 days at BWI.

**Precipitation:** Very dry conditions prevailed across the area. Monthly totals were less than 2 inches at the three major airports: DCA, 1.43" (-2.29"); BWI, 1.95" (-2.08"); and IAD, 1.75" (-2.17"). It was the 7<sup>th</sup> of the last 10 Septembers with subnormal rainfall at IAD, 6<sup>th</sup> at BWI and DCA.

Nearly the entire month's rainfall occurred during the month's first 6 days. The remnants from Tropical Depression Harvey resulted in about 0.75" of rain across much of the area on the 2<sup>nd</sup> with as much as 1.02" in Elkridge (Howard County), MD.

The month's lone severe weather event occurred during the afternoon of the 5<sup>th</sup> when thunderstorms rolled through the region, bringing numerous strong to severe storms outside the I-95 corridor. Thunderstorm wind damage knocked down a tree near New Market (Frederick County), MD, and near Philomont (Loudoun County), VA. The following day, rainfall totaled between 0.5" - 0.75" across much of region with isolated higher amounts including 1.04" in Keswick (Albemarle County), VA, and 1.00" in Jefferson in Frederick County, MD.

The month's only additional rainfall occurred when a few showers on the 13<sup>th</sup>–14<sup>th</sup> resulted in a tenth of inch or less across the area, generated by the remnants from Tropical Depression Irma moving over the region. There was no measurable rainfall across the majority of the area from the 15<sup>th</sup> through the end of month, resulting in the longest September period on record at IAD and 3<sup>rd</sup> longest at DCA.

### September 2017 Weather Statistics for the Washington/Baltimore Area

Location	Station Temperatures (°F)					Extreme/Day		Precipitation (inches)			
	AvMx	AvMin	AvgT	NmlT	DepNml	Max	Min	Total	Nml	DepNml	Year to Date
National (DCA)	80.8	64.2	72.5	71.0	+1.5	92/24	53/10	1.43	3.72	-2.29	31.08
Baltimore (BWI)	79.1	59.2	69.1	67.8	+1.3	90/24,27	49/8,29	1.95	4.03	-2.08	32.19
Dulles (IAD)	78.8	58.2	68.5	67.9	+0.6	89/25,27	47/10	1.75	3.92	-2.17	34.75

**Looking Ahead to October: The first freeze!** October traditionally marks the first freeze in suburban locations. When will the Washington/Baltimore area record its first freeze in 2017? Below is a list of the first 32°F or lower readings at DCA and IAD in the last 10 years.

Year	First 32°F (or lower) reading		Year	First 32°F (or lower) reading	
	DCA	IAD		DCA	IAD
2016	November 23	October 26	2011	December 10	October 30
2015	November 23	October 18	2010	November 29	November 1
2014	November 15	November 8	2009	December 6	November 6
2013	November 13	October 25	2008	November 18	October 20
2012	November 26	October 13	2007	November 24	October 29

*\* Latest first frost at DCA: 12/22/01; at IAD, 11/11/05*